

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

(COMPLETE IF KNOWN)

Application Number	
Filing Date	
Group Art Unit	
Examiner	

Attorney Docket Number	
First Named Inventor	ABETA

This declaration is (check one):

- ☐ submitted with initial filing;
- ☐ submitted after initial filing;
- ☐ a supplemental declaration.

This application is of the following type:

- ☐ utility;
- ☐ design;
- ☒ national stage of PCT;
- ☐ divisional, continuation or continuation-in-part.

**As a below named inventor, I hereby declare that:**

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

CHANNEL ESTIMATION UNIT, AND CDMA RECEIVER AND CDMA TRANSCEIVER WITH  
CHANNEL ESTIMATION UNIT

the specification of which: (check one)

- ☐ is attached hereto; or
- ☐ was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_ and is/was amended on \_\_\_\_\_ (if applicable);
- ☒ was described and claimed in PCT International Application No. PCT/JP98/05727, filed on December 17, 1998 and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby identify below, and where indicated claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) or §§ 365(a)-(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America, filed within 12 months (6 months for design) prior to

this application, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed (if any):

Foreign/PCT Application Number	Country	Filing Date (MM/DD/YYYY)	Priority Claimed	
349,609/1997	Japan	12/18/1997	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below (if any):

Provisional Application No.	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S./PCT Parent Application No.	Filing Date	Status (Patented, Pending, or Abandoned)
PCT/JP98/05727	December 17, 1998	Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorney(s) or agent(s) with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Seth H. Ostrow, Reg. No. 37,410  
 Neal K. Feivelson, Reg. No. 41,740  
 Ivan M. Posey, Reg. No. 43,865

Louis J. Greco, Reg. No. 41,799  
 Anthony J. Natoli, Reg. No. 36,223  
 Larry Liberchuk, Reg. No. 40,352

Direct all correspondence to:

Brown Raysman Millstein Felder & Steiner LLP  
 120 West 45<sup>th</sup> Street  
 New York, New York 10036

Direct all telephone calls to:

(212) 944-1515

Full Name of Sole or First Inventor	Sadayuki ABETA		
Inventor's Signature	<i>Sadayuki Abeta</i>	Date	August 3, 1999
Residence	Kanagawa, Japan	Citizenship	Japan
Post Office Address	18-4-102, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841, Japan		

Full Name of Second Joint Inventor	Mamoru SAWAHASHI		
Inventor's Signature	<i>Mamoru Sawahashi</i>	Date	August 3, 1999
Residence	Kanagawa, Japan	Citizenship	Japan
Post Office Address	59-17, Tomiokanishi 1-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0052, Japan		

Full Name of Third Joint Inventor	Fumiyuki ADACHI		
Inventor's Signature	<i>Fumiyuki Adachi</i>	Date	August 3, 1999
Residence	Kanagawa, Japan	Citizenship	Japan
Post Office Address	12-4, Tomiokanishi 6-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0052, Japan		

(check one) Sheets containing additional joint inventors ( ) are, (X) are not attached hereto.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re International Application of

Sadayuki ABETA, Mamoru SAWAHASHI and Fumiyuki ADACHI

International Serial No.: PCT/JP98/05727

International filing date: December 17, 1998

For: CHANNEL ESTIMATION UNIT, AND CDMA RECEIVER AND CDMA  
TRANSCEIVER WITH CHANNEL ESTIMATION UNIT

VERIFICATION OF TRANSLATION

Honorable Commissioner of Patent and Trademark  
Washington, D.C. 20231  
Sir:

Masashi SHINKAI residing at c/o TANI & ABE, No. 6-20, Akasaka 2-  
chome, Minato-ku, Tokyo 107-0052, Japan, declares:

(1) that he knows well both the Japanese and English  
languages;

(2) that he translated the claims of the above-  
identified International Application from Japanese to English;

(3) that the attached English translation is a true  
and correct translation of the claims, specification and  
drawings of the above-identified International Application to  
the best of his knowledge and belief; and

(4) that all statements made of his own knowledge are  
true and that all statements made on information and belief are  
believed to be true, and further that these statements are made  
with the knowledge that willful false statements and the like  
are punishable by fine or imprisonment, or both, under 18 USC  
1001, and that such false statements may jeopardize the validity  
of the application or any patent issuing thereon.

July 30, 1999

Date

*M. Shinkai*

Masashi SHINKAI